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Amendments to the Claims:

1. (Currently Amended) The A sanding machine for processing a workpiece comprising:

a support structure defining a plane for supporting the workpiece for movement in a first direction to be processed and a frame supporting;  
a frame;

kinematic means secured to the frame;

at least one a sanding unit for processing said workpiece, including said sanding unit comprising a winding element cooperating with the kinematic means for movement in for moving it according to a closed ring configuration, wherein said closed ring configuration being oriented in a of said winding element belongs to a plane substantially parallel to the plane defined by said support structure; and wherein said winding element supports

a plurality of abrasive elements each secured to the winding element in spaced apart relation therealong, said abrasive elements being spaced from one another, disposed substantially perpendicular to the plane of said support structure and defining moveable with the winding element for engaging the workpiece in two parallel advance spaced apart linear directions transverse to the first direction, said abrasive elements comprising a laminar abrasive element connected with said winding element through

a shaft for securing each laminar element to the winding element in a direction substantially perpendicular to said plane defined by said support structure, eachsaid abrasive element being secured to a corresponding shaft such that the abrasive element is disposed at a fixed incline inclined with respect to the advance directions of said winding element while engaging the workpiece.

2. (Previously Presented) The sanding machine according to claim 1) wherein said kinematic means of said winding element comprises at least two pulleys

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between which said winding element is wound and motorization means cooperating with at least one of said pulleys to set it rotating.

3. (Previously Presented) The sanding machine according to claim 1) wherein said laminar abrasive element is removably connected with said shaft through holding means.

4. (Previously Presented) The sanding machine according to claim 3) wherein said holding means comprise at least one moving plate suitable for being placed against the laminar abrasive element through the operation of a pawl.

5. (Previously Presented) The sanding machine according to claim 3) wherein said holding means comprise at least one moving plate suitable for being placed against the laminar abrasive element through the action of at least one spring integral with said shaft.

6. (Previously Presented) The sanding machine according to claim 1) wherein said shaft comprises articulation means suitable for defining said inclined position of said laminar abrasive element.

7. (Previously Presented) The sanding machine according to claim 1 comprising guide means combined with said frame, suitable for slidingly receiving said shaft for at least one section during its movement.

8. (Previously Presented) The sanding machine according to claim 7) wherein said guide means comprise at least one track integral with said frame and are suitable for receiving rolling sliding means combined with said shaft.

9. (Previously Presented) The sanding machine according to claim 1) wherein said support structure can be moved with respect to said sanding unit.

10. (Previously Presented) The sanding machine according to claim 1) wherein said support structure comprises a conveyor belt closed to form a ring between at least one pair of rotating cylinders.

11. (Previously Presented) The sanding machine according to claim 1) wherein said support structure comprises a plurality of rotating rollers positioned side by side.

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12. (Previously Presented) The sanding machine according to claim 1) wherein said sanding unit can be moved with respect to said support structure.

13. (Previously Presented) The sanding machine according to claim 1 comprising suction means combined with said support structure and suitable for keeping said piece adherent to said support structure.

14. (Currently Amended) The sanding machine according to claim 1 comprising one or more pressing elements combined with said frame, suitable for being placed in contact with said piece to keep it adherent to said support structure.